PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) See form PCT/ISA/210 Date of mailing (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below 0000055339 Priority date (day/month/year) International filing date (day/month/year) International application No. 13.02.2004 08.02.2005 PCT/EP2005/001231 International Patent Classification (IPC) or both national classification and IPC C08F8/00, C08G81/02 Applicant BASF AKTIENGESELLSCHAFT This opinion contains indications relating to the following items: Basis of the opinion Box No. I Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Lack of unity of invention Box No. IV Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII **FURTHER ACTION** 2. If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCI/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. 3. Authorized officer Name and mailing address of the ISA/EP

Telephone No.

Facsimile No.

International application No.
PCT/EP2005/001231

Box	No. 1 Basis of this opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
	Rule 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing
	table(s) related to the sequence listing
	b. format of material
	in written format
	in computer readable form
	c. time of filing/furnishing contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:
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Box	No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	
1.	Statement	`
	Novelty (N) Claims 1-27	YES
	Claims	NO
		3.AT.
	Inventive step (IS) Claims	YE
	Claims see below, point V.2.	NO
	Industrial applicability (IA) Claims 1-27	YE
	Claims	NO
2.	Citations and explanations:	•
	Reference is made to the following documents:	
	D1: WO 01/30882 A (AVECIA LIMITED; THETFORD, DEAN;	
	BARNETT, STUART) 3 May 2001 (2001-05-03)	
	D2: US 2004/007153 A1 (THETFORD DEAN ET AL)	
	15 January 2004 (2004-01-15)	
	1. Novelty	
	According to D1 and D2, it is likewise possible to obtain	
	aqueous polymer dispersions (acrylate latex dispersions)	
	which, as associative thickener, comprise amphiphilic	
	polymers, with polyisobutene blocks and with hydrophilic	
	units.	
	However, novelty is acknowledged in the current independent	
	claims on account of multiple selection (polyisobutene from a	
	list, content of terminally arranged double bonds)	
	2. Inventive step	
	As stated under point 1, the idea of using copolymers	•
	containing polyisobutene blocks alongside hydrophilic	
	fractions (e.g. polyether blocks) for stabilizing aqueous	
	latex dispersions is not novel (D1, D2).	
	The applicant should provide convincing evidence that the	
	increased content of terminally arranged double bonds in the	
	polyisobutene block (and the increased functionalization	
	resulting therefrom) causes an unexpected technical effect.	
	Since the material known as reactive polyisobutene (with an	
	increased proportion of terminal double bonds) was known (as	
•	also was its modification with MAH for purposes of copolymer	
	synthesis), it was obvious to a person skilled in the art that	

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Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	
	this material could also be used for the abovementioned	
	purpose; i.e. if the applicant had merely solved the problem	
	of providing further stabilizers for the abovementioned	
	purpose, that would not be inventive.	
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Box No. VIII

Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

In the light of the description and of the experiments, an essential feature is missing in the independent claims: according to the current wording, the hydrophilic unit (B) can be composed of a single functional group, whereas according to the other parts of the application the inventive properties are achieved only with a block copolymer. The applicant should therefore define the hydrophilic unit (B) likewise as a block.